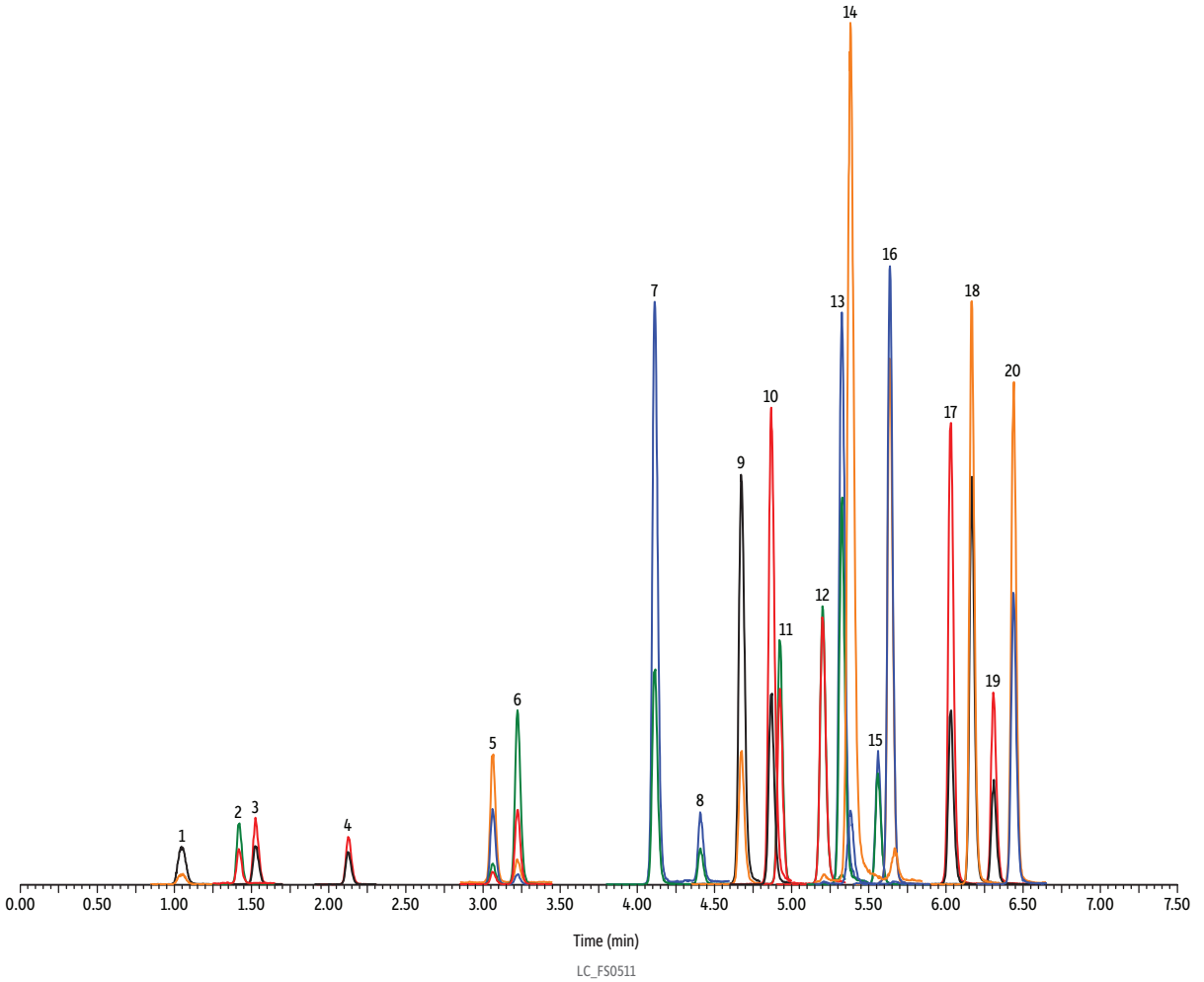
Analysis of Mycotoxins on Raptor FluoroPhenyl by LC-MS/MS



LC_FS0511

Peaks	t_R (min)	Conc. (ng/mL)	Precursor Ion	Product Ion	Product Ion
1. Nivalenol	1.04	100	313.22	175.09	91.08
2. Patulin	1.42	50	155.00	98.94	80.98
3. Deoxynivalenol	1.53	50	297.20	249.04	231.03
4. Fusarenon X	2.13	100	355.20	247.10	175.08
5. 15-Acetyldeoxynivalenol	3.07	100	339.23	321.15	137.07
6. 3-Acetyldeoxynivalenol	3.22	100	339.16	231.10	213.08
7. Aflatoxin M1	4.11	25	329.22	273.09	229.12
8. Diacetoxyscirpenol	4.41	100	367.24	307.14	105.07
9. Aflatoxin G2	4.67	25	331.16	313.00	189.01
10. Aflatoxin G1	4.87	25	329.13	243.00	199.74
11. HT-2	4.92	50	447.20	345.08	285.11
12. Aflatoxin B2	5.20	25	315.13	287.02	258.98
13. Aflatoxin B1	5.32	25	313.16	284.85	241.06
14. Citrinin	5.38	10	251.15	233.09	205.05
15. Fumonisin B1	5.56	25	722.46	352.25	334.23
16. T-2	5.63	50	489.24	245.07	387.12
17. Fumonisin B3	6.03	25	706.43	336.23	318.29
18. Ochratoxin A	6.17	25	404.07	238.96	357.98
19. Fumonisin B2	6.31	25	706.43	336.23	318.29
20. Zearalenone	6.44	50	319.23	283.06	187.04

Column Raptor FluoroPhenyl (cat.# 9319A12)
Dimensions: 100 mm x 2.1 mm ID
Particle Size: 2.7 µm
Pore Size: 90 Å
Guard Column: Raptor FluoroPhenyl EXP guard column cartridge 5 mm, 2.1 mm ID, 2.7 µm (cat.# 9319A0252)
Temp.: 30 °C

Sample
Diluent: Water:methanol (80:20)
Conc.: 10-100 ng/mL
Inj. Vol.: 5 µL

Mobile Phase
A: 0.3% Formic acid in water
B: Methanol

Time (min)	Flow (mL/min)	%A	%B
0.00	0.4	80	20
7.00	0.4	10	90
7.01	0.4	80	20
9.00	0.4	80	20

Max Pressure: 525 bar
Detector MS/MS
Ion Mode: ESI+
Mode: MRM
Instrument UHPLC

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